

INFECTIO N CONTROL FACILITY 148

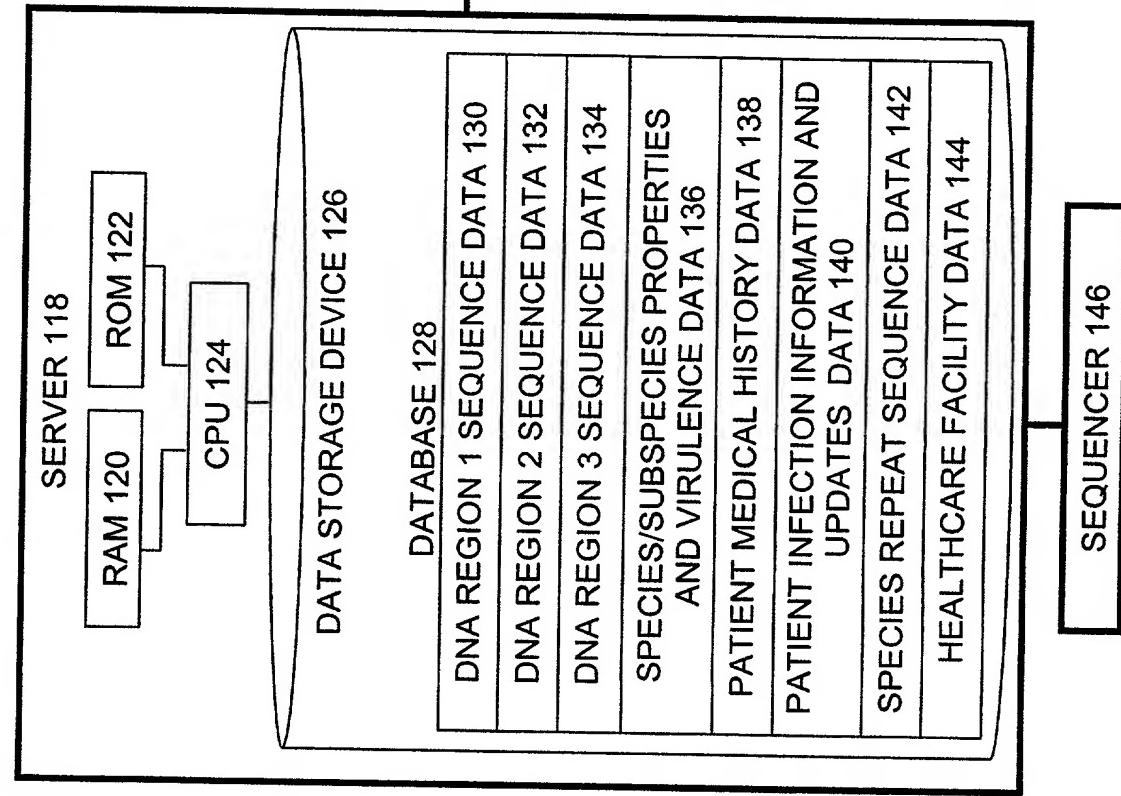
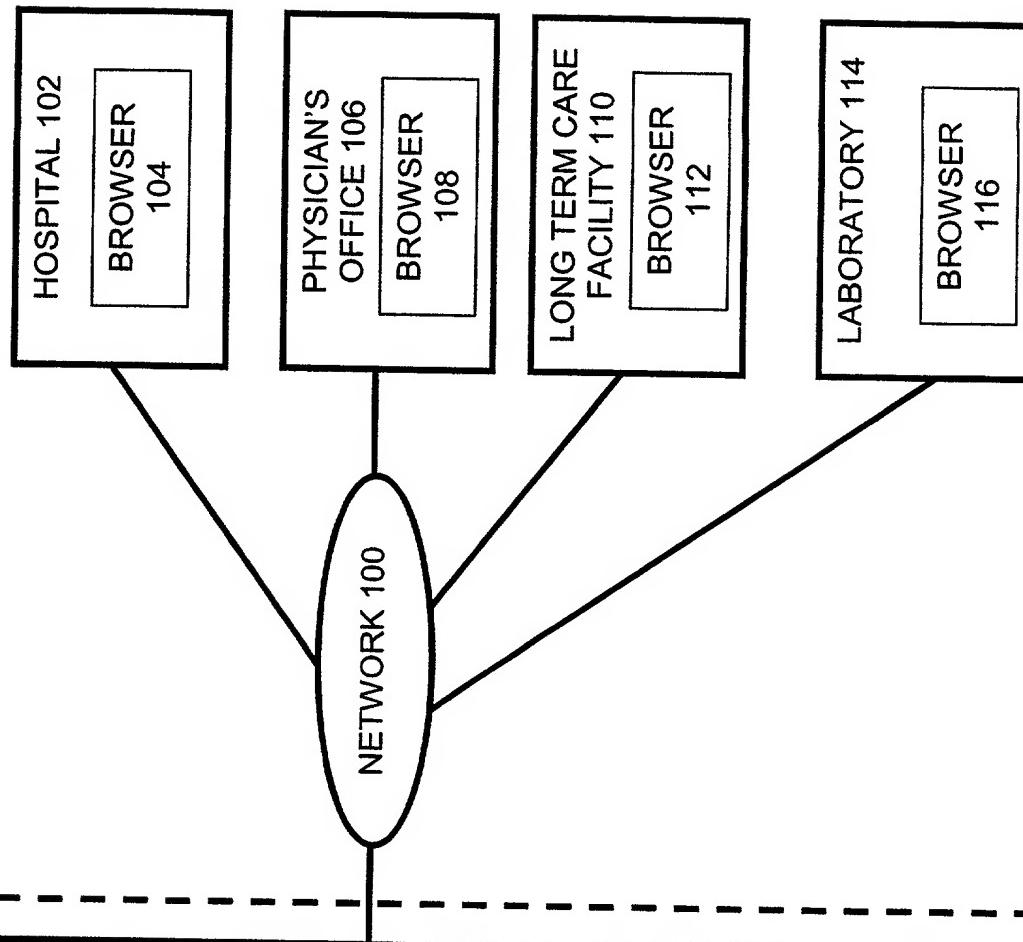


FIG. 1



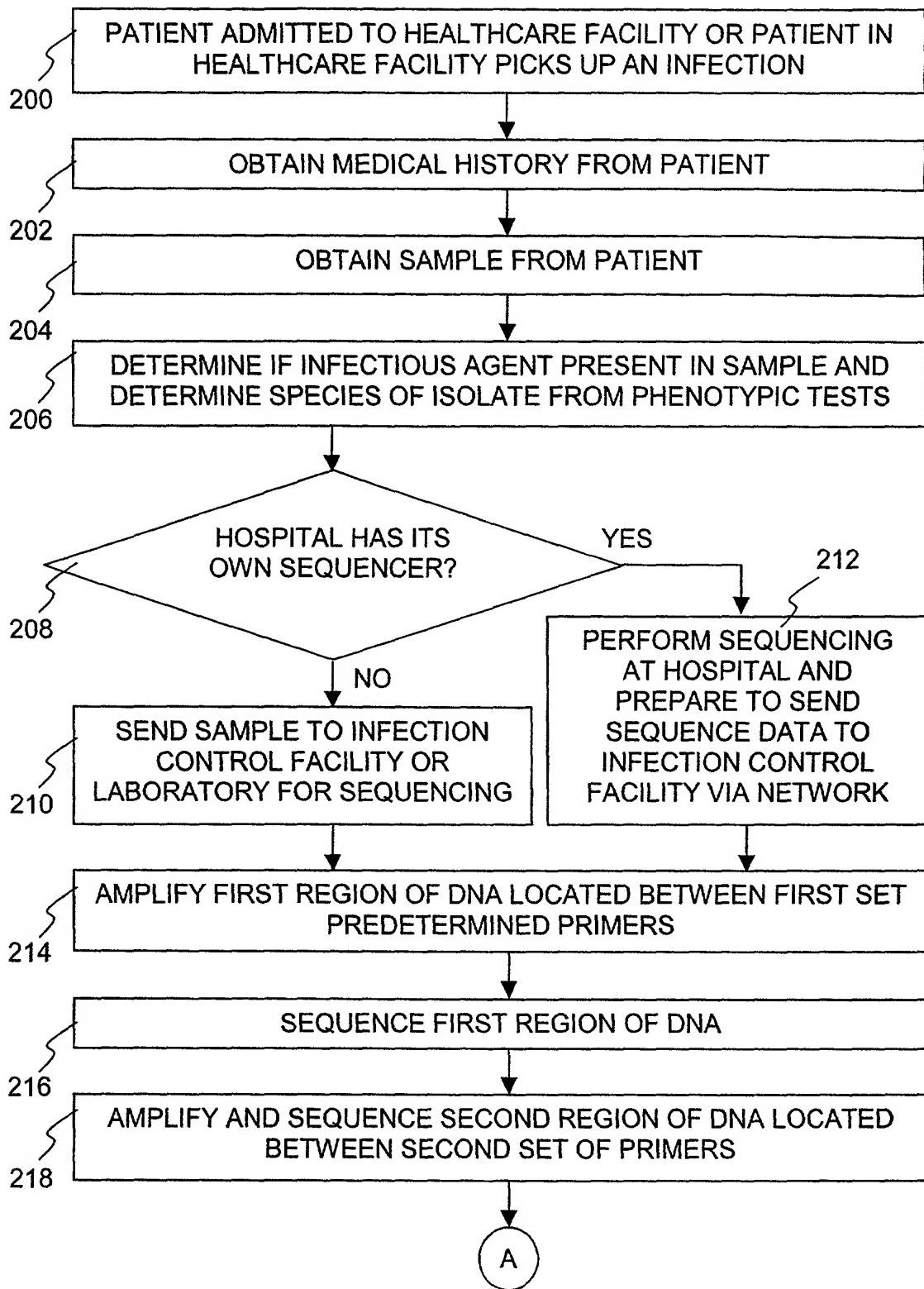


FIG. 2A

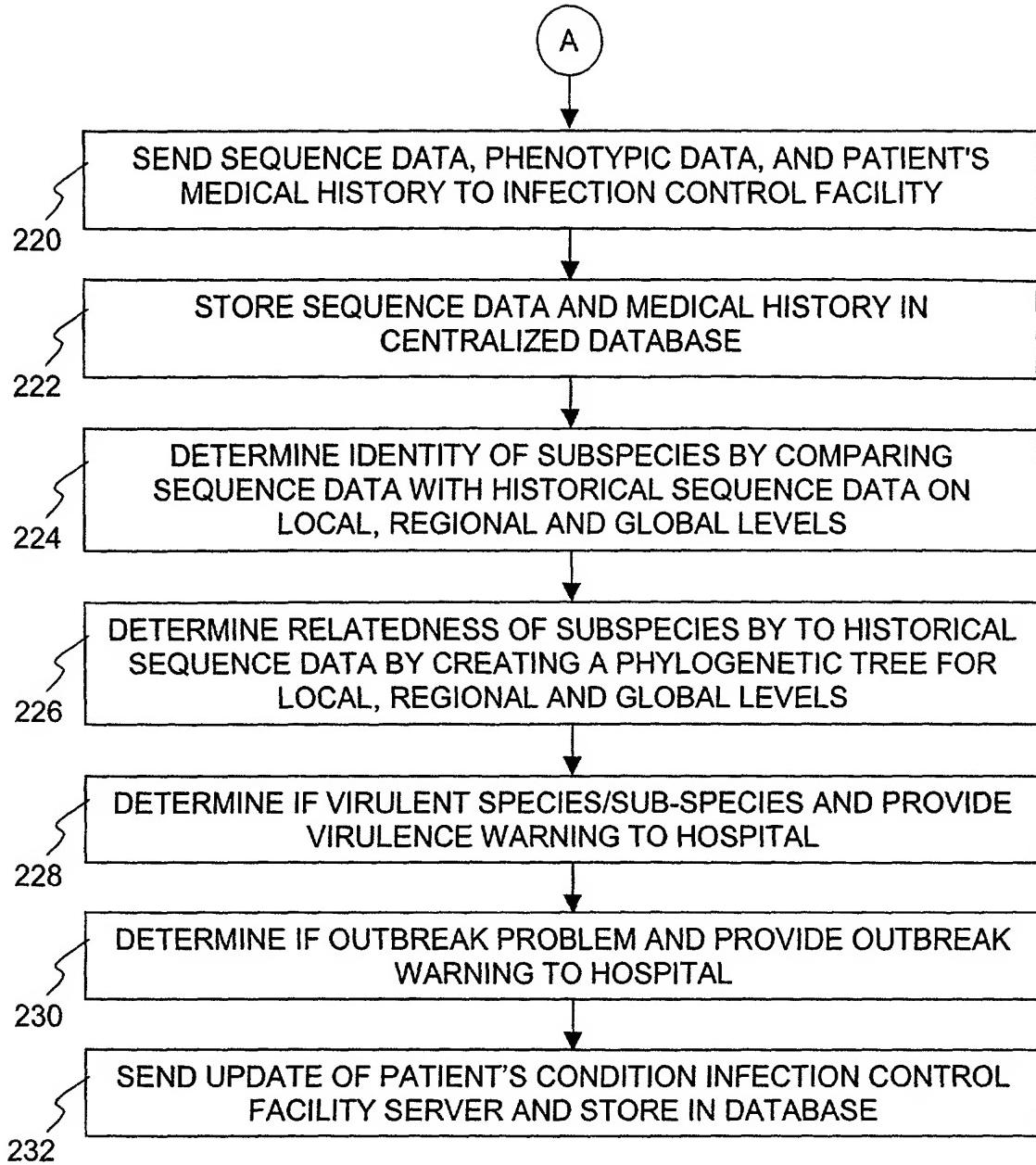


FIG. 2B

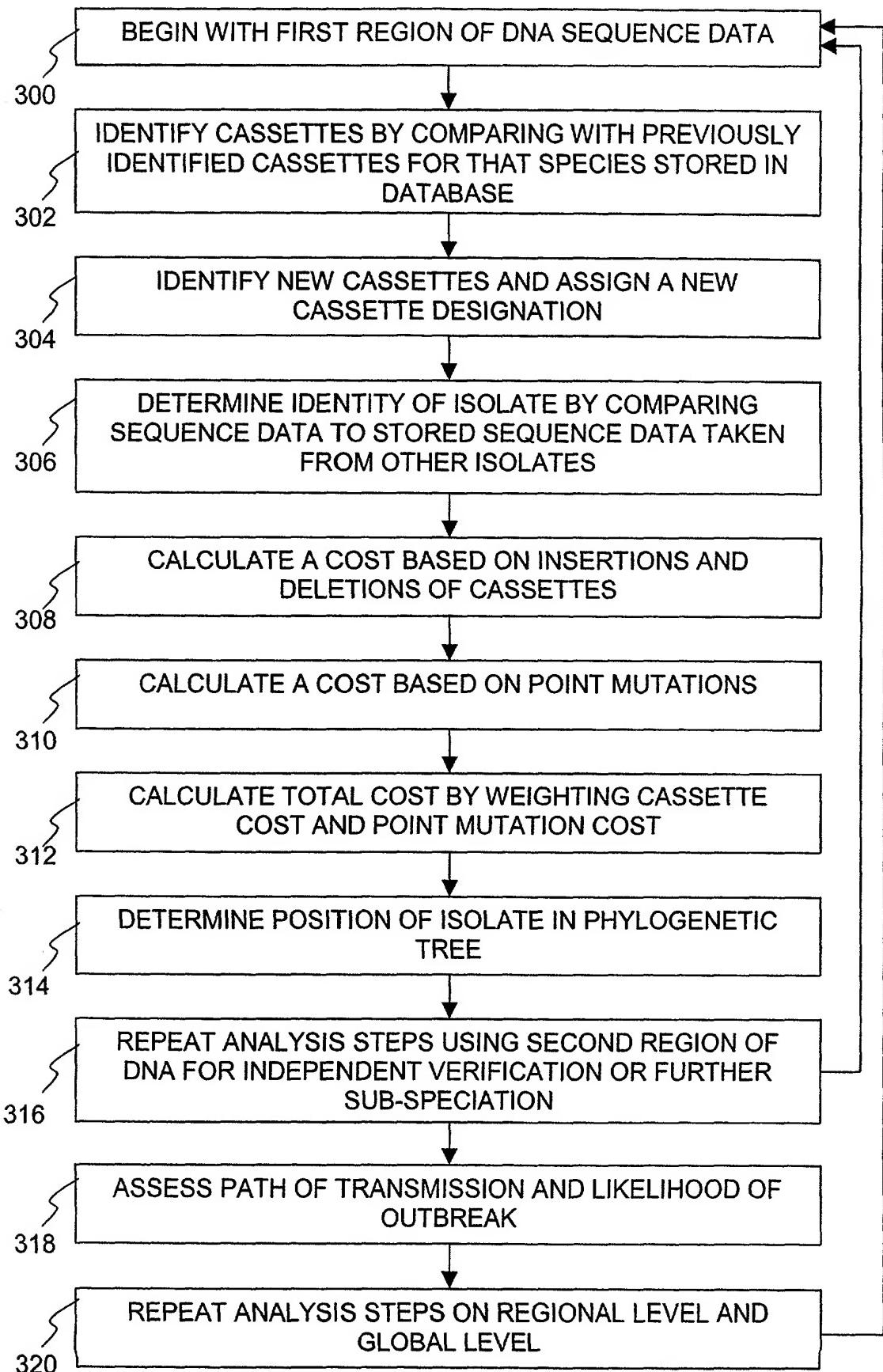


FIG. 3

400

T	GAGGAAGACAACAAAAAACCTGGT
A	AAAGAAGACAACAAAAACCTGGC
B	AAAGAAGACAACAAAAACCTGGT
E	AAAGAAGACAACAACAAACCTGGT
G	AAAGAAGACAACAACAAGCCTGGT
D	AAAGAAGACAACAACAAACCTGGC
J	AAAGAAGACGGCAACAAACCTGGC
K	AAAGAAGACGGCAACAAACCTGGT
M	AAAGAAGACGGCAACAAGCCTGGT

FIG. 4A

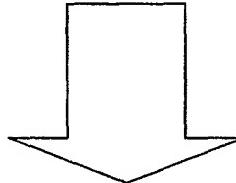
404

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GAGGAAGACAACAAAAAACCTGGTAAAGAAGACGGCAACAAACCTGGCAAAGAA
GACGGCAACAAGCCTGGTAAAGAAGACAACAACAAACCTGGTAAAGAAGACGGC
ACAAGCCTGGTAAAGAAGACAACAACAAACCTGGCAAAGAAGACGGCAACAAG
CCTGGTAAAGAAGACAACAAGCCTGGTAAAGAAGACGGCAACAAGCCTGGT
AAAGAAGACGGCAACAAACCTGGT

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406



T	J	M	E	M	D	M	G	M	K
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FIG. 4B

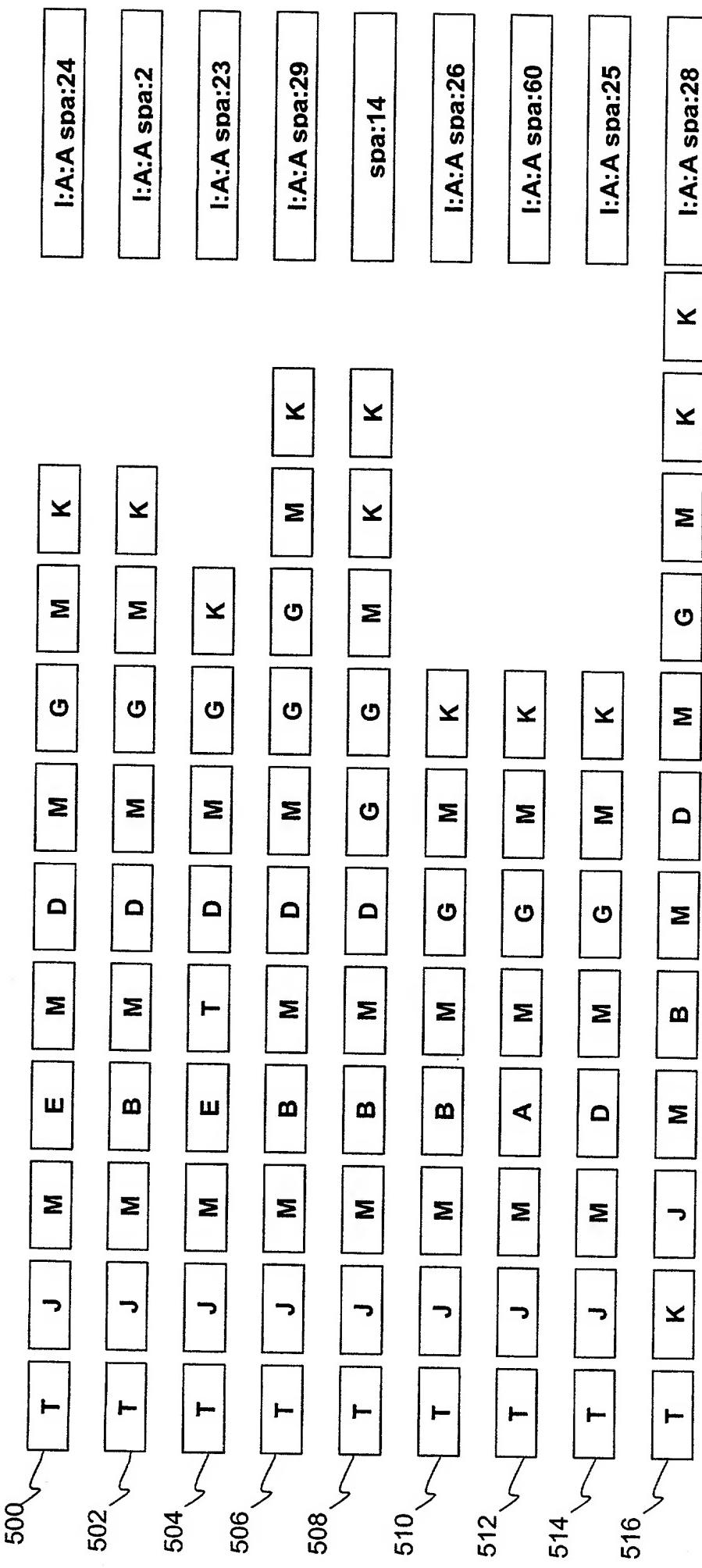


FIG. 5

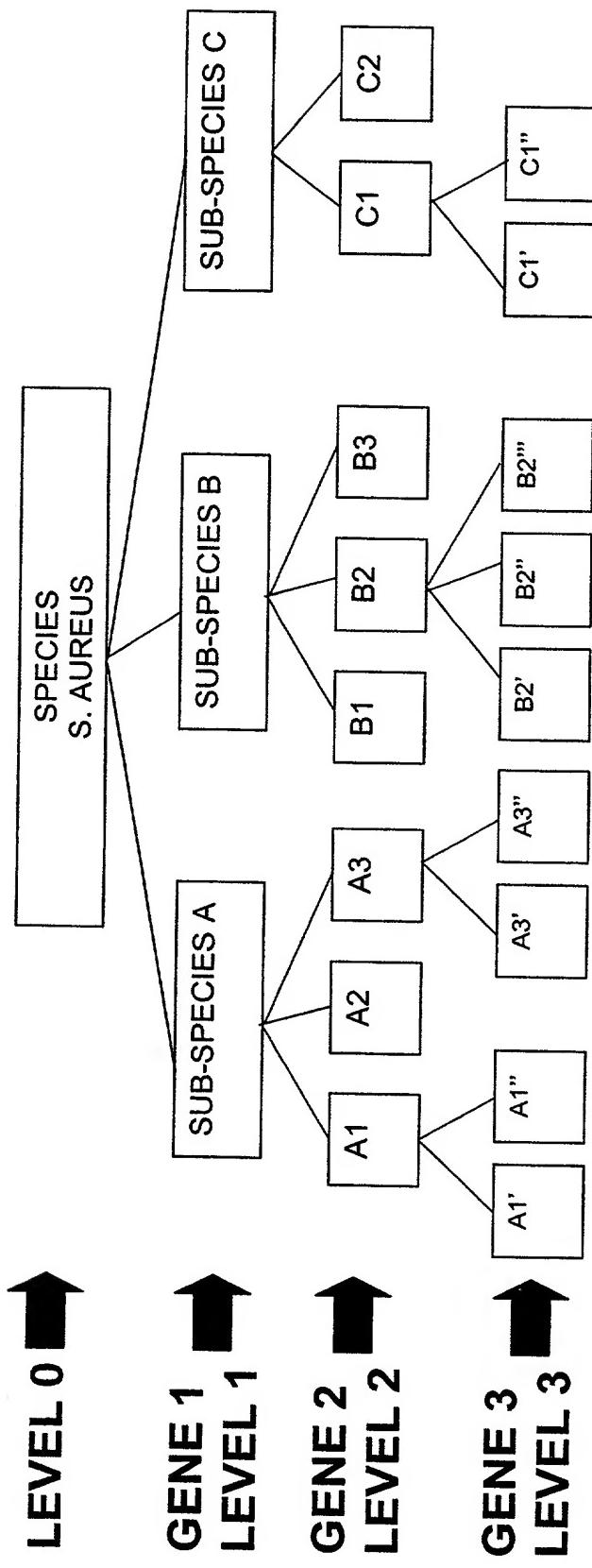


FIG. 6

SPECIES	S. aureus	S. aureus	
SUBSPECIES	A1'	B7"	
SEQ REGION 1	ATTCATAGAT...		
SEQ REGION 2	CGTACTATCC...		
SEQ REGION 3	ATTCGTTATA...		
REGION 1 PRIMERS			
REGION 2 PRIMERS			
REGION 3 PRIMERS			
REPEATS REGION 1	TKJMP..		
REPEATS REGION 2	ABABA		
REPEATS REGION 3	TYYT		
DATE	June 5, 2000		
PATIENT MEDICAL HISTORY	Hospitalized in New York Hospital, June 2000 for 3 weeks, heart surgery...		
PATIENT MEDICAL UPDATE INFO	Patient hospitalized 3 weeks for infection and released....	Patient died due to infection after two weeks...	
LOCATION	Mt. Sinai Hospital, Toronto, Burn Ward	New York City Hospital, ICU	
PHAGE TTYPE			

FIG. 7A

S. AUREUS			
SEQ REGION	REPEAT 1	REPEAT 2	REPEAT 3
PROTEIN A X _R	AATTGCCTAGG.. ..	AATTCCCCTAGG..	TAGGCCGT...
REGION 2	TTAAAGGCCTGA..	GGTTCCAATAAT..	GGTTAAC..
REGION 3			

FIG. 7B

SEQ ID NO 37

Fig. 8A

SEO ID NO 38

SEQ	ID	NO	24
SEQ	ID	NO	25
SEQ	ID	NO	26
SEQ	ID	NO	27
SEQ	ID	NO	28
SEQ	ID	NO	29
SEQ	ID	NO	30
SEQ	ID	NO	31
SEQ	ID	NO	32
SEQ	ID	NO	33
SEQ	ID	NO	34
SEQ	ID	NO	35
SEQ	ID	NO	36

SEQ ID NO. 23

Fig. 8B

MTEFWPLLWLLSFT				
VLGVVLLSIVLVLVALV	SEQ	ID	NO	39
VLEALLSLVLLVLVLLV	SEQ	ID	NO	40
VLGVVLLSFVLLVSLV	SEQ	ID	NO	41
VLEVLLSLVLLVSLV	SEQ	ID	NO	42
VLGVVLLSIVLVLVSLV	SEQ	ID	NO	43
VLGVVLLSLVLLVSLV				
VLEVLLSLVLLLSLV	SEQ	ID	NO	44
VLGVVLLSIVLVLVSLV	SEQ	ID	NO	45
VLGVVLLSLVLLVSLV				
VLGVVLLSFVLLVSLV				
VLEVLLSIVLVLVLLV	SEQ	ID	NO	46
VLGVVLLSFVLLVSLV	SEQ	ID	NO	47
VLEVLLSIVLVLVSLV				
VLEVLLSLVLLVVSV	SEQ	ID	NO	48
DFSTNRNSNAVMVCVN				

Fig. 8C

SEQ ID NO 51

ATGTTCCAGCCCCTATTAGACGCTTATAACAGACAGCACCCGTTAGATGAAACCGATTATAAGCCCCATTAAATAT
AGCCCTAGCCAATTGGTGCCTTGGATAAAAAGAGAAGCAAAGGGTTAGGCCTTATCTGTATTTCATCTTAA
GCCAACGCTACACAATCACCCCTCACCACCAAAACCTAACGAACCCCTCGATCTTGTCTTGGCAGTCCTATTGGATCA
GCCAGAAAAATCCTATCCTATCAAACACTAAAAGGGTGTTCACACCGGTGAAATGAAGTCCCTAATTCAATCT
CTTGATTACGCCATAGGCTTGATGAATTGGACTTTAGAGATCGTTATTGAGAATGCCCTTATTTACGCTAGCT
TGCATTATAAAGCCGAGAGCGTGAATGACACCACCGCGCCCTACAAACTCAAAGACAAACAGCCTTATGCTTTAAA
AAGCCCTCCCATTTAAAGAAAACCACCCCTAATTATGCGCAGTAGTGAATGATGAGAGCGATCCTTGAAAAG
AGGGTTTGCAGCTTGTGCGAGCAACCTAACGCTCTATAAGGAACGCTTCTATGACGCTTAAATTCTATTG
AGCCAGTTACTGGGGAGGGAGCGTGAACACTTACGCTATAACGTCAAAACAAGAGCGAGTTTAAGC
TACAAATTCAATCTGTGTTGAAAACACTCAAGGCTATGGCTATGTAACGTGAAAAATCATTGACGCTTATTCAG
CCACACCATTCCCATTTATTGGGGAGTCCTAGCGTGGCAGACTTAAACCTAACGAGTTTGATGAGCTTGTG
ATTTAAAAACTTGTGAGCGATTACGTGAGATACTTGCACACGCAACCCAAACGCTTATTTAGACATGCTC
TATGAAAACCTTAAACACCCCTGATGGAAAGCTTACTTTACCAAAATTGAGTTTAAAAAAATCCTAGATT
TTTAAACGATTTAGAAAACGACACGATCTACGATAACCCCTTCATTCTATCGCGATTGAGCCTT
TAGTAGCTATTGATGAGCTTACGATGAGCTTACGATGAGCTTACGATGAGCTTACGATGAGCTT
GATCGCCTTTACAAAACGCTCGCCTTATTAGAACTCTCTCAAAACACCACTTAAATCTATCGCAAAG
CCTATCAAAATCCTTACCTTGTGCGCACCATAAGGAGATGGTTAAAAAATAA

Fig. 9A

SEQ ID NO 52

SEQ ID NO 59

GAT
CAT
GAT
CAT
GAT
CAT
GAT
CAT

SEQ ID NO 50

DTRAVNAD
DTRAVNAD
DTRAVNAD
DTRAVNAD
DTRAVNAD
DTRAVNAD

SEQ ID NO 53

Fig. 9C

SEQ ID NO 78

**PEPSPDPEPEPTPD
PEPSPDPEPEPSPD
PDP**

Fig. 10D

SEQ ID NO 76

AATAATGAGAATGTTGACGTTATGGTGGTGGAAAGTGCTGATGGTATTCAGCAGTAAATCCGAAAGACCC
GATTGGATTCAAGACAGTGACTCAGGCTCAGACAGCGACTCAGGT
TCAGATAGCGACTCAGAACATCAGATAGCGATTGGATTCAAGACAGTGACTCAGATTCAAGACAGCGACTCAGAACATCAGA
TAGCGATTCAAGAACATCAGATAGCGATTCAAGATTCAAGATAGCGATTCAAGATTCAAGATAGCGATTCAAGATTCAAGATAGCG
ATTTCGGATTCAAGACAGTGACTCAGATTCAAGACAGCGACTCAGAACATCAGATAGCGACTCAGAACATCAGATAGTGAGTC
GATTCAAGACAGTGACTCAGAACATCAGATAGCGATTCAAGACTCAGAACATCAGATAGCGATTCAAGACTCAGAACATCAGATAGCG
AGACAGCGACTCAGATTCAAGACAGCGACTCAGAACATCAGATAGCGACTCAGAACATCAGATAGCGATTCAAGACTCAGAACATCAGATA
GCGATTCAAGACTCAGAACAGCGACTCAGAACATCAGACAGCGACTCAGAACATCAGATAGCGATTCAAGAACATCAGATAGCGATT
TCAGACTCAGAACAGCGACTCAGATTCAAGATAGCGATTGGACTCAGAACAGCGATTCAAGATTCAAGAACAGCGACTCAGAACATCAGA
CTCGGATTAGCGATTCAAGATTCAAGATAGCGATTGGATTCAAGACAGTGACTCAGATTCAAGACAGCGACTCAGAACATCAGACTCGG
ATAGCGACTCAGACTCAGAACAGCGATTCAAGACTCAGAACATCAGATAGCGACTCAGAACATCAGACTCGGATTAGCGACTCGGATTCAAGATAGC
GACTCAGACTCAGAACATCAGATAGTGACTCCGATTCAAGAGTTACACCACCAAATAATGAACAGAAAAGCACCACAAATCCTAA
AGGTGAAGTAAACCATTCTAATAAGGTATCAAACACAAAACACTGATGCTTACCA

Fig. 10A

SEQ ID NO 77

SEQ ID NO 54

AATAATGAGAATGTTACGTTATGGTGGTGGAAAGTGCTGATGGTGTTCAGCAGTAAATCCGAAAGACCCAGCTGC

[REDACTED]

GATTGGATTCAAGACAGT SEQ ID NO 55
GACTCAGGCTCAGACAGC SEQ ID NO 56
GACTCAGGTTCAAGATAGC SEQ ID NO 57
GACTCAGAACATCAGATAGC SEQ ID NO 58
GATTGGATTCAAGACAGT
GATTCAAGATTCAAGACAGC SEQ ID NO 59
GACTCAGAACATCAGATAGC
GATTCAAGAACATCAGATAGC SEQ ID NO 60
GACTCAGATTCAAGATAGC SEQ ID NO 61
GATTCAAGATTCAAGATAGC SEQ ID NO 62
GATTCAAGATTCAAGATAGC
GATTGGATTCAAGACAGT
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GACTCAGAACATCAGATAGC
GACTCAGAACATCAGATAGT SEQ ID NO 63
GAGTCAGATTCAAGACAGT SEQ ID NO 64
GACTCGGACTCAGACAGT SEQ ID NO 65
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GATTCAAGATTCAAGACAGC SEQ ID NO 71
GACTCAGACTCGGATAGC SEQ ID NO 72
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GATTGGATTCAAGACAGT
GATTCAAGATTCAAGACAGC
GACTCAGACTCGGATAGC
GACTCAGACTCAGACAGC
GATTCAAGACTCAGATAGC
GACTCAGACTCGGATAGC
GACTCGGATTCAAGATAGC SEQ ID NO 73
GACTCAGACTCAGATAGT SEQ ID NO 74
GACTCCGATTCAAGAGTT SEQ ID NO 75

[REDACTED] GCACCATCAAATCCTAAAGGTGAAGTAAACCATTCTAATAAGGTATCAAACAA
ACACAAAAACTGATGCTTACCA

Fig. 10B

Repeat pattern isolate 1:

1-2-3-4-1-5-4-6-7-8-8-1-5-4-9-10-11-12-12-5-13-14-15-7-16-15-14-7-16-7-17-5-18-8-1-5-18-15-12-18-19-20-21

Fig. 10E

TCAGCAGTAAATCCGAAAGACCCAACTCCAGGGCCGCCGGTTGAC
GATTCCGGATTCAAGACAGT
GACTCAGGCTCAAGACAGC
GACTCAGGTTCAAGATAGC
GACTCAGAATCAAGATAGC
GATTCCGGATTCAAGACAGT
GATTCAAGATTCAAGACAGC
GACTCAGAATCAAGATAGC
GATTCAAGATTCAAGATAGC
GACTCAGATTCAAGATAGC
GATTCAAGATTCAAGATAGC
GACTCAGAATCAAGATAGC
GATTCCGGATTCAAGACAGT
GATTCAAGATTCAAGACAGC
GACTCAGAATCAAGATAGC
GACTCAGAATCAAGATAGT
GAGTCAGATTCAAGACAGT
GACTCGGACTCAGACAGT
GATTCAAGACTCAAGATAGC
GATTCAAGACTCAAGATAGC
GATTCAAGATTCAAGACAGC
GACTCAGAATCAAGACAGC
GACTCAGACTCAAGATAGC
GATTCAAGACTCAAGACAGC
GACTCAGACTCAAGACAGC
GACTCAGACTCAAGATAGC
GATTCAAGATTCAAGATAGC
GATTCAAGACTCAAGACAGC
GATTCAAGATTCAAGACAGC
GACTCAGACTCGGATAGC
GATTCAAGATTCAAGACAGC
GACTCAGACTCGGATAGC
GACTCGGATTCAAGATAGT
GACTCCGATTCAAGAGTT

SEQ ID NO 79

GACCACTCAAATCCTAAAGGTGAAGTAAACCATTCTAATAAGGTATCAAAACA
ACACAAAACGTGCTTACCAAGAACAGGAGATAAGAGCGAAAACACAAATGCAACTTATTTGGTGCAATG
SEQ ID NO 80

Fig. 10C

Repeat pattern isolate 2:

1-2-3-4-1-5-4-6-7-8-6-1-5-4-9-10-11-12-12-16-5-22-14-15-7-16-15-14-16-7-17-5-18-5-18-23-21

Fig. 10F